

**MARKING CATHETER FOR PLACEMENT USING FRAMELESS STEREOTAXY  
AND USE THEREOF**

**ABSTRACT OF THE DISCLOSURE**

A marking catheter made out of a flexible material  
5 and having a closed distal end and an open proximal end  
is provided. The marking catheter is sized and shaped to  
fit over the probe of a frameless stereotaxy system. One  
or more marking catheters may be positioned using the  
frameless stereotaxy system to define accurately an area  
10 identified in pre-operative imaging. For example, a  
plurality of marking catheters may be used to define  
physically the margins of a brain lesion. The brain  
lesion may then be removed to expose the positioned  
catheters, thereby assuring complete and effective lesion  
15 removal. The flexible catheters will move with any  
brain-shift occurring during lesion removal, thereby to  
maintain an accurate indication of the lesion margin.

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